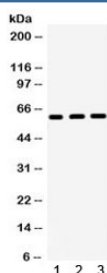


HNF1 beta Antibody / HNF1B (R32080)

Catalog No.	Formulation	Size
R32080	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P35680
Applications	Western Blot : 0.1-0.5ug/ml
Limitations	This HNF1 beta antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat kidney, 3) human SW620 lysate with HNF1 beta antibody. Predicted/observed molecular weight ~61 kDa.

Description

HNF1 homeobox B (hepatocyte nuclear factor 1 homeobox B), also known as HNF1B or transcription factor 2 (TCF2), is a human gene. It is a member of the homeodomain-containing superfamily of transcription factors. This gene is mapped to 17q12. The HNF1B protein is believed to form heterodimers with another liver-specific member of this transcription factor family, TCF1. HNF1B functions as both a classic transcriptional activator and as a bookmarking factor that marks target genes for rapid transcriptional reactivation after mitosis. HNF1B also can regulate renal tubulogenesis by controlling expression of SOC3. Mutation of HNF1B that disrupts normal function has been identified as the cause of MODY5 (Maturity-Onset of Diabetes, Type 5).

Application Notes

Optimal dilution of the HNF1 beta antibody should be determined by the researcher.

Immunogen

Amino acids AQQPFMAAVTQLQNSHMYAHKQEPPQYSHT of human HNF1 beta were used as the immunogen for the HNF1 beta antibody.

Storage

After reconstitution, the HNF1 beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.